IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Flarion-9APPCON (33)**

Applicant: **Tom Richardson**

Serial No.: **Not yet assigned**

Filing Date: **Herewith**

Title: **METHODS AND APPARATUS FOR DECODING LDPC CODES**

Examiner: **Not yet assigned**

Group Art Unit: **Not yet assigned**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Information Disclosure Statement Transmittal

The applicants respectfully request that the
references listed on the attached PTO/SB/08A be considered in
the examination of the above-identified application. A copy of
each of these references is enclosed.

The applicants reserve the right to establish that any
of the references listed on the attached PTO/SB/08A are not
prior art to the above-captioned application.

U.S. Department of Commerce Patent and Trademark Office	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(use as many sheets as necessary)*	Application Number:	**Not yet assigned**
	Filing Date:	**Herewith**
	First Named Inventor:	**T m RICHARDSON**
	Group Art Unit:	**N t yet assigned**
	Examiner Name:	**N t yet assigned**

Sheet	1	of	2	Attorney Docket No.:	**Flarion-9APPCON (33)**

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant Passages or Figures appear
	AA	3,542,756	11/24/1970	Gallager et al.	
	AB	3,665,396	05/23/1972	Forney, Jr.	
	AC	4,295,218	10/13/1981	Tanner	
	AD	5,396,518	3/07/1995	How	
	AE	5,526,501	6/11/1996	Shams	
	AF	5,860,085	01/12/1999	Stormon et al.	
	AG	5,892,962	04/06/1999	Cloutier	
	AH	6,473,010	10/29/2002	Vityaev et al.	

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3] Number[4]	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

U.S. Department of Commerce Patent and Trademark Office	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(use as many sheets as necessary)*	Application Number: **Not yet assigned** Filing Date: **Herewith** First Named Inventor: **Tom RICHARDSON** Group Art Unit: **Not yet assigned** Examiner Name: **Not yet assigned**	
Sheet **2** of **2**	Attorney Docket No.: **Flarion-9APPCON (33)**	

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source	T[2]
	AI	NN77112415. Digital Encoding of Wide Range Dynamic Analog Signals, IBM Tech. Disclosure Bulletin, November 1, 1997, VOL. No. 20; ISSUE No. 6; Pages 2415-2417, whole document	
✓	AJ	Sorokine, V. et al. Innovative coding scheme for spread-spectrum communications, The Ninth IEEE International Symposium on Indoor and Mobile Radio Communications, pages: 1491-1495, Vol. 3; September 1998, whole document.	
✓	AK	NN9210335. Hierarchical Coded Modulation of Data with Fast Decaying Probability Distributions, IBM Tech. Disclosure Bulletin, October 1992, VOL. No. 35; ISSUE No. 5; Pages 335-336, whole document.	
✓	AL	Paranchych et al. Performance of a digital symbol synchronizer in cochannel interference and noise, IEEE Transactions on Communications, pages: 1945-1954; Nov. 2000, whole document.	
✓	AM	T. Moors and M. Veeraraghavan, "Preliminary specification and explanation of Zing: An end-to-end protocol for transporting bulk data over optical circuits", pp. 1-55 (May 2001).	
✓	AN	T. Richardson and R. Urbanke, "The Capacity of Low-Density Parity-Check Codes under Message-Passing Decoding", pp. 1-44 (March 2001).	
✓	AO	T. Richardson, A. Shokrollahi, R. Urbanke, "Design of Capacity-Approaching Irregular Low-Density Parity-Check Codes", pp. 1-43 (March 2001).	
✓	AP	Richardson et al. The capacity of low-density parity-check codes under message-passing Decoding, IEEE Transactions on Information Theory; pages: 599-618, February 2001, (same inventor) whole document.	
✓	AQ	T. Richardson and R. Urbanke, "An Introduction to the Analysis of Iterative Coding Systems", pp. 1-36.	

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